

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0049] on page 15 with the following amended paragraph:

[0049] After the switch 34 is turned off, if the switch 35 is turned on, the bias voltage is applied between the spin source [[33]] 32 and the magnetic atom thin film 13 to inject reversely polarized spins into the magnetic atom thin film 13 from the spin source [[33]] 32. This causes the magnetic atom thin film 13 to be magnetized in the reverse direction. Thereafter, even with the switch 35 turned off, the magnetic atom thin film 13 by its magnetization holding property remains in the state of magnetization in the reverse direction.